

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--|------------------|---------|---------------------|
| S68   | 111  | silicon and (reverse thermal)                                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2009/09/09<br>10:32 |
| S69   | 2    | S68 and DBM  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2009/09/09<br>10:33 |
| S70   | 11   | S68 and (bone marrow)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2009/09/09<br>10:33 |
| S71   | 2    | (silicon-containing reactive group)<br>and (reverse thermal) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2009/09/09<br>10:53 |
| S72   | 44   | (silicon-containing reactive group)                          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2009/09/09<br>10:53 |
| S73   | 4    | (silicon-containing reactive group)<br>and reverse           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2009/09/09<br>10:54 |
| S74   | 21   | (silicon-containing reactive group)<br>and gel               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2009/09/09<br>10:55 |
| S75   | 2    | (silicon-containing reactive group)<br>and thermo            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2009/09/09<br>10:56 |
| S76   | 1    | siloxane and thermo gel                                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2009/09/09<br>11:03 |
| S77   | 3398 | siloxane and thermo  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2009/09/09<br>11:03 |
| S78   | 704  | siloxane and thermo and reverse                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2009/09/09<br>11:03 |

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| S79 | 493 | S78 and copolymer                            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:03 |
| S80 | 3   | S79 and DBM                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:03 |
| S81 | 0   | siloxane and (reverse thermal gel \$3)       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:04 |
| S82 | 4   | siloxane and (reverse phase block copolymer) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:05 |
| S83 | 0   | siloxane and (reverse thermal gelation)      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:05 |
| S84 | 5   | siloxane and (reverse thermal gelation)      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:05 |
| S85 | 0   | siloxane and (reverse thermal gel)           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:06 |
| S86 | 6   | siloxane and (reverse thermal)               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:06 |
| S87 | 2   | siloxane.ab. and RTG                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:06 |
| S88 | 2   | cohn.in. and (reverse thermal) and silicon   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:11 |
| S89 | 22  | cohn.in. and (reverse thermal)               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:12 |
| S90 | 524 | thermogelling                                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:16 |
| S91 | 183 | S90 and silicon                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:16 |

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| S92  | 5    | S90 and silicon.ab.                               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:16 |
| S93  | 21   | S91 and (bone marrow)                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:17 |
| S94  | 154  | S91 and carrier                                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:17 |
| S95  | 60   | S90 and (silane or siloxane)                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:23 |
| S96  | 0    | silane based thermo responsive                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:25 |
| S97  | 0    | silane based responsive                           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:25 |
| S98  | 0    | silane-based responsive                           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:25 |
| S99  | 3148 | silane-based                                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:25 |
| S100 | 1    | S99 and reverse thermal                           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:25 |
| S101 | 2    | tetramethoxysilane and RTG                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:28 |
| S102 | 1    | tetramethoxysilane and (reverse thermal gelation) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:28 |
| S103 | 15   | tetramethoxysilane and polymer and (bone marrow)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:29 |
| S104 | 6    | tetramethoxysilane and sol-gel and (bone marrow)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/09<br>11:30 |

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| S105 | 1949 | tetramethoxysilane and sol-gel                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>11:30 |
| S106 | 3    | tetramethoxysilane.ab. and sol-gel<br>and implant | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>11:31 |
| S107 | 50   | tetramethoxysilane and sol-gel and<br>implant     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>11:31 |
| S108 | 115  | tetramethoxysilane and implant                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>11:31 |
| S109 | 8    | S108 and demineralized                            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>11:32 |
| S110 | 2    | tetramethoxysilane and (cell<br>carrier)          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>11:34 |
| S111 | 18   | tetramethoxysilane and (stem cell)                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>11:34 |
| S112 | 16   | tetramethoxysilane.ti.                            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>11:37 |
| S113 | 4    | RTG and DBM and (bone marrow<br>cell)             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>18:12 |
| S114 | 10   | RTG and (bone marrow cell)                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>18:12 |
| S115 | 22   | RTG and DBM                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>18:13 |
| S116 | 3    | ("4188373").PN.                                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | OFF | 2009/09/09<br>18:15 |
| S117 | 84   | pluronic and DBM                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | OFF | 2009/09/09<br>18:16 |

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| S118 | 122  | pluronic and DBM                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>18:16 |
| S119 | 101  | pluronic and DBM and cell               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>18:16 |
| S120 | 31   | pluronic and DBM and (bone marrow cell) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/09<br>18:18 |
| S121 | 3198 | pluronic and (reactive group)           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>08:47 |
| S122 | 22   | pluronic.ab. and (reactive group)       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>08:47 |
| S123 | 19   | biodegradable same RTG                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>09:31 |
| S124 | 3    | ("6201072").PN.                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | OFF | 2009/09/10<br>09:33 |
| S125 | 186  | siloxane.ab. and biodegradable          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>10:37 |
| S126 | 2    | S125 and RTG                            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>10:37 |
| S127 | 0    | S125 and sol-gel                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>10:37 |
| S128 | 0    | S125 and reverse thermogelling          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>10:38 |
| S129 | 6    | reverse thermogelling                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>10:38 |
| S130 | 251  | reverse thermal gel\$6                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>10:38 |

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| S131 | 5   | S130 and siloxane                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>10:38 |
| S132 | 0   | silane capped PPO PPE                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>11:08 |
| S133 | 52  | silane capped                            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>11:08 |
| S134 | 0   | S133 and PPO                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>11:08 |
| S135 | 0   | S133 and poly(propylethylene)            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>11:08 |
| S136 | 0   | S133 and polypropylethyleneoxide         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>11:08 |
| S137 | 0   | S133 and poly<br>(propylethyleneoxide)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>11:09 |
| S138 | 0   | silane and poly<br>(propylethyleneoxide) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>11:09 |
| S139 | 172 | triethoxysilane and biodegradable        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>11:11 |
| S140 | 6   | S139 and PPO                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>11:11 |
| S141 | 7   | di-IPTS                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>11:15 |
| S142 | 304 | isocyanatopropyl triethoxysilane         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>11:16 |
| S143 | 4   | S142 and PPO and PEO                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>11:16 |

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| S144 | 6    | ("7307134").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | OFF | 2009/09/10<br>11:51 |
| S145 | 12   | ormosils and pluronic                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>12:42 |
| S146 | 12   | pluronic derivative                                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>12:44 |
| S147 | 2    | S146 and (silicone or silane or siloxane)                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>12:44 |
| S148 | 77   | silanization and pluronic                                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>15:01 |
| S149 | 7    | silanization and pluronic and implant                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>15:01 |
| S150 | 250  | surface modification and pluronic and implant            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>15:06 |
| S151 | 52   | S150 and silane  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>15:06 |
| S152 | 25   | surface modification and (pluronic same silane)          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>15:45 |
| S153 | 52   | surface modification and silane and pluronic and implant | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>16:14 |
| S154 | 123  | (bioactive glass) and silane                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>16:15 |
| S155 | 2    | S154 and PPO and PEO                                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>16:16 |
| S156 | 6136 | surface modification and silane                          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2009/09/10<br>16:32 |

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| S157 | 73 | S156 and PEO and PPO | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/09/10<br>16:32 |
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